

Al cont.
a data collection circuit for collecting and dividing said digital data into the first real time data signals consisting of magnetic flux, temperature and wind speed data in said analog signals and the second real time data signals consisting of vibration and noise in said analog signals obtained from said measuring device section,

means for recording allowable behavior and environmental condition data with respect to said electronic apparatus, and

means for giving warning signals to operators of said electronic apparatus if abnormalities between said behavior and environmental condition data and said data signals obtained in operation of said electronic apparatus,

a First Fourier Transform (FFT) analyzer for converting said first and second real time data signals so as to display as a graph on a monitor,

a read-only memory for storing said first and second real time data signals,

means for calculating ^{fluctuation} ~~function~~ of said magnetic flux data, and

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means for calculating fluctuation of said vibration data, and means for storing said fluctuation of said magnetic flux and vibration data.

5. A system as claimed in claim 4, in which said sensors include flux sensor for detecting the magnetic field in the environment of said electronic apparatus, a first vibration sensor for detecting the vibration of said electronic apparatus, a second vibration sensor for detecting the vibration of a mount of said electronic apparatus and a temperature sensor for detecting the temperature in said environment.

6. A method for monitoring the behavior and environmental condition of a high precision electronic apparatus including steps for:

Added

detecting the magnetic field, noise, temperature and wind speed in the environment of said apparatus as analog data, filtering and amplifying all of said analog data signals, converting each of said analog data signals into digital data, collecting said digital data signals, recording allowable behavior and environmental condition data with respect to said electronic apparatus, comparing said allowable behavior and environmental condition data with said analog data, displaying the comparative result of said allowable data with said digital data on a monitor, and giving warning if the result of said comparison is abnormal.--

IN THE ABSTRACT:

Substitute the new Abstract ~~as~~ attached hereto and entitled Abstract for the original Abstract.

REMARKS

Applicant is submitting herewith proposed changes to the drawings with changes marked in red. Applicant has also rewritten paragraphs 3, 4 and 5 on page 5 and continuing onto page 6. A marked-up copy of those paragraphs is enclosed herewith as Appendix B. Applicant has also rewritten the Abstract.

In the aforementioned Office Action, the Examiner objected to the drawings because they do not include reference signs mentioned in the description, i.e., "C", "B" monitor "37" memory "41" and device "43". The drawings were also objected to as failing to comply with 37 CFR 1.84(p)(5) because they include a number of reference cites which were